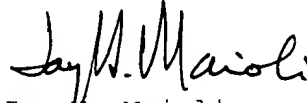


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earnestly solicited.

Respectfully submitted,
COOPER & DUNHAM, LLP

A handwritten signature in dark ink, appearing to read "Jay M. Maioli". The signature is fluid and cursive, with the first name "Jay" and last name "Maioli" being clearly legible.

Jay M. Maioli
Reg. No. 27,213

JHM/AVF/pmc

VERSION WITH MARKINGS TO SHOW CHANGES MADEIN THE ABSTRACT OF THE DISCLOSURE

The Abstract of the Disclosure has been amended as follows:

--[If, in a] A recording medium on which a plurality of programs are collected in a plurality of groups and supervised in this grouped state, [a] wherein when an editing command [for editing,] such as [dividing/linking/erasing] dividing, linking, and erasing the predetermined programs or groups[,] recorded on the recording medium is executed, [the] management data is [to be] edited to perform the editing command. The [present] invention [contemplates to provide] provides a solution to meet this request by a recording medium, an editing method and an editing apparatus.--

IN THE CLAIMS

Claims 1-32 have been amended as follows:

--1. (Amended) A recording medium in which a plurality of programs are collected into a plurality of groups and are managed and recorded [in this form], comprising:

a program recording area in which [said] the programs are recorded;

a first management data recording area in which [the] first management data for supervising [the] program names of [said plural] the plurality of programs is recorded; and

a second management data recording area in which the names of the programs collected in [said] the plural groups

and [the] names of [said] the groups are correlated and are recorded as [the] second management data [along] with [the] separating information for separating the program names and the group names.

--2. (Amended) The recording medium according to claim 1, wherein the second management data recorded in [said] the second management data recording area [has] includes a plurality of [the] group information made up of [said] program numbers, [said] the group names, and the separating information [and], wherein [the respective group] information [are] corresponding to each of the plurality of groups is partitioned by [the] partitioning information.

--3. (Amended) The recording medium according to claim 1, wherein [the] a name [of a recording medium for] identifying [said] the recording medium is further recorded in [said] the second management data recording area.

--4. (Amended) An editing apparatus for editing a program recorded on a recording medium [including] that includes a program area for recording a plurality of programs [for recording a plurality of programs,] and a management area[, having] within which is recorded [therein the] first management data for managing [the] program names for [respective] the plurality of recorded programs [recorded in said program area,] and [the] second management data[, made up of the] including range information of program numbers making

up each of a plurality of groups into which the [plural]
plurality of recorded programs [recorded in said program area]
are collected, special codes partitioning [said] the groups
[from one another,] and group names, comprising:

operating means for commanding [changes] a change in
[the] a sequence of predetermined [ones of said plural] groups
of the plurality of groups; and

editing means [which, in case changes in the sequence of
predetermined ones of said plural groups are commanded by said
operating means, edits the] for editing a correlation of
[said] the range information [of program numbers making up
each of a plurality of groups in said second management data]
and [said] the group names to cause block movement of [said]
the predetermined groups when the change is commanded by the
operating means.

--5. (Amended) The editing apparatus according to claim
4, wherein

the program names in [said] the first management data are
managed [in association with] corresponding to the program
numbers of the [respective] plurality of programs, and
[wherein

if a] when the change in the sequence of the
predetermined groups [in said plural groups] is commanded by
[said] the operating means[, the correlation between the
program numbers in [said] the first management data and the
program numbers [are] is concomitantly edited.

--6. (Amended) An editing apparatus for editing a program recorded on a recording medium [including] that includes a program area for recording a plurality of programs [for recording a plurality of programs,] and a management area[, having] within which is recorded [therein the] first management data for managing [the] program names for [respective] the plurality of recorded programs [recorded in said program area,] and [the] second management data[, made up of the] including range information of program numbers making up each of a plurality of groups into which the [plural] plurality of recorded programs [recorded in said program area] are collected, special codes partitioning [said] the groups [from one another,] and group names, comprising:

operating means for commanding a division of a predetermined program of the plurality of programs and predetermined [ones of said plural] groups of the plurality of groups; and

editing means [which, in case division of a predetermined program of predetermined ones of said plural groups is commanded by said operating means, edits the] for editing a correlation of [said] the range information [of program numbers making up each of a plurality of groups in said second management data] and [said] the group names when the division is commanded by the operating means.

--7. (Amended) The editing apparatus according to claim 6, wherein the program names in [said] the first management data are managed in association with the program numbers of

each of the [respective] plurality of programs, and [wherein, if] when the division [of predetermined groups in said plural groups] is commanded by [said] the operating means[, the correlation between the program numbers and the program names is concomitantly edited.

--8. (Amended) The editing apparatus according to claim 6, wherein

[said] the editing means further edits the range of the program [number] numbers forming a group [next] following the predetermined group containing the predetermined program commanded to be [split] divided.

--9. (Amended) An editing apparatus for editing a program recorded on a recording medium [including] that includes a program area for recording a plurality of programs [for recording a plurality of programs,] and a management area[, having] within which is recorded [therein the] first management data for managing [the] program names for [respective] the plurality of recorded programs [recorded in said program area,] and [the] second management data[, made up of the] including range information of program numbers making up each of a plurality of groups into which the [plural] plurality of recorded programs [recorded in said program area] are collected, special codes partitioning [said] the groups [from one another,] and group names, comprising:

operating means for commanding a linking of two of the programs [making up] in a predetermined group of [said plural]

the plurality of groups; and

editing means [which, in case linking of two of the programs making up a predetermined group of said plural groups is commanded by said operating means, edits the] for editing a correlation of [said] the range information [of program numbers making up each of a plurality of groups in said second management data] and [said] the group names when the linking is commanded by the operating means.

--10. (Amended) The editing apparatus according to claim 9, wherein the program names in [said] the first management data are managed [in association with] corresponding to the program numbers of the [respective] plurality of programs, and [wherein, if] when the linking [of two of the programs making up a predetermined group of said plural groups] is commanded by [said] the operating means, the correlation between the program numbers and the program names is concomitantly edited.

--11. (Amended) An editing apparatus for editing a program recorded on a recording medium [including] that includes a program area for recording a plurality of programs [for recording a plurality of programs,] and a management area[, having] within which is recorded [therein the] first management data for managing [the] program names for [respective] the plurality of programs [recorded in said program area,] and [the] second management data[, made up of the] including range information of program numbers making up each of a plurality of groups into which the [plural]

plurality of recorded programs [recorded in said program area] are collected, special codes partitioning [said] the groups [from one another,] and group names, comprising:

operating means for commanding a division of a predetermined group of [said plural] the plurality of groups into two groups; and

editing means [which, in case division of said predetermined group is commanded by said operating means, edits the] for editing a correlation of [said] the range information [of program numbers making up each of a plurality of groups in said second management data] and [said] the group names when the division is commanded by the operating means.

--12. (Amended) The editing apparatus according to claim 11, wherein

[if] when the division [of said predetermined group] is commanded by [said] the operating means, [the] a group name [accorded to said] of the predetermined group is [accorded] assigned to one of the two groups resulting from the division.

--13. (Amended) The editing apparatus according to claim 12, wherein

[if] when the division [of said predetermined group] is commanded by [said] the operating means, [the] a group name of [the] an other of the two groups resulting from the division is blank.

--14. (Amended) An editing apparatus for editing a program recorded on a recording medium [including] that includes a program area for recording a plurality of programs [for recording a plurality of programs,] and a management area[, having] within which is recorded [therein the] first management data for managing [the] program names for [respective] the plurality of recorded programs [recorded in said program area,] and [the] second management data[, made up of the] including range information of program numbers making up each of a plurality of groups into which the [plural] plurality of recorded programs [recorded in said program area] are collected, special codes partitioning [said] the groups [from one another,] and group names, comprising:

operating means for commanding a linking of predetermined [ones] groups of [said plural] the plurality of groups; and

editing means [which, in case linking of predetermined ones of said plural groups is commanded by said operating means, edits the] for editing a correlation of [said] the range information [of program numbers making up each of a plurality of groups in said second management data] and [said] the group names to cause block movement of [said] the predetermined groups when the linking is commanded.

--15. (Amended) The editing apparatus according to claim 14, wherein

[if] when the linking [of said predetermined groups] is commanded by [said] the operating means, [the] a group name [accorded to] of a [forward one] first group of [said] the

predetermined groups is [accorded] assigned to the group resulting from the linking.

--16. (Amended) The editing apparatus according to claim 14, wherein

[if] when the linking [of said predetermined group] is commanded by [said] the operating means, [the] a group name [accorded to] of a [backward one] last group of [said] the predetermined groups is [accorded] assigned to the group resulting from the linking.

--17. (Amended) The editing apparatus according to claim [11] 14, wherein

[if] when the linking [of said predetermined groups] is commanded by [said] the operating means, [the] a group name [accorded to] of a [forward one] first group of [said] the predetermined groups and [the] a group name [accorded to] of a [backward one] last group of [said] the predetermined groups are linked and [accorded] assigned to the group resulting from the linking.

--18. (Amended) An editing apparatus for editing a program recorded on a recording medium [including] that includes a program area for recording a plurality of programs [for recording a plurality of programs,] and a management area[, having] within which is recorded [therein the] first management data for managing [the] program names for [respective] the plurality of recorded programs [recorded in

said program area,] and [the] second management data[, made up of the] including range information of program numbers making up each of a plurality of groups into which the [plural] plurality of recorded programs [recorded in said program area] are collected, special codes partitioning [said] the groups [from one another,] and group names, comprising:

operating means for commanding a block erasure of predetermined [ones] groups of [said plural] the plurality of groups; and

editing means [which, in case block erasure of predetermined ones of said plural groups is commanded by said operating means, edits the] for editing a correlation of [said] the range information [of program numbers making up each of a plurality of groups in said second management data] and [said] the group when the block erasure is commanded.

--19. (Amended) An editing method for editing a program recorded on a recording medium [including] that includes a program area for recording a plurality of programs [for recording a plurality of programs,] and a management area[, having] within which is recorded [therein the] first management data for managing [the] program names for [respective] the plurality of recorded programs [recorded in said program area,] and [the] second management data[, made up of the] including range information of program numbers making up each of a plurality of groups into which the [plural] plurality of recorded programs [recorded in said program area] are collected, special codes partitioning [said] the groups

[from one another,] and group names, comprising the steps of:

[operating step for] commanding [changes] a change in [the] a sequence of predetermined [ones] groups of [said plural] the plurality of groups; and

editing [step which, in case changes in the sequence of predetermined ones of said plural groups are commanded by said operating step, edits the] a correlation of [said] the range information [of program numbers making up each of a plurality of groups in said second management data] and [said] the group names to cause block movement of [said] the predetermined groups when the change is commanded.

--20. (Amended) The editing method according to claim 19, wherein

the program names in [said] the first management data are managed [in association with] corresponding to the program numbers of the [respective] plurality of programs; and [wherein]

[if a] when the change [in the sequence of predetermined groups in said plural groups] is commanded [by said operating step], the correlation between the program numbers in [said] the first management data and the program numbers [are] is concomitantly edited.

--21. (Amended) An editing method for editing a program recorded on a recording medium [including] that includes a program area for recording a plurality of programs [for recording a plurality of programs,] and a management area[,

having] within which is recorded [therein the] first management data for managing [the] program names for [respective] the plurality of recorded programs [recorded in said program area,] and [the] second management data[, made up of the] including range information of program numbers making up each of a plurality of groups into which the [plural] plurality of recorded programs [recorded in said program area] are collected, special codes partitioning [said] the groups [from one another,] and group names, comprising the steps of:

[operating step for] commanding a division of a predetermined program of predetermined [ones] groups of [said plural] the plurality of groups; and

editing [step which, in case division of a predetermined program of predetermined ones of said plural groups is commanded by said operating step, edits the] a correlation of [said] the range information [of program numbers making up each of a plurality of groups in said second management data] and [said] the group names when the division is commanded.

--22. (Amended) The editing method according to claim 21, wherein the program names in [said] the first management data are managed [in association with] corresponding to the program numbers of the [respective] plurality of programs, and [wherein, if division of predetermined groups in said plural groups is commanded by said operating step,] the correlation between the program numbers and the program names is concomitantly edited when the division is commanded.

--23. (Amended) An editing method for editing a program recorded on a recording medium [including] that includes a program area for recording a plurality of programs [for recording a plurality of programs,] and a management area[, having] within which is recorded [therein the] first management data for managing [the] program names for [respective] the plurality of recorded programs [recorded in said program area,] and [the] second management data[, made up of the] including range information of program numbers making up each of a plurality of groups into which the [plural] plurality of recorded programs [recorded in said program area] are collected, special codes partitioning [said] the groups [from one another,] and group names, comprising the steps of:

[operating step for] commanding a linking of two of the programs making up a predetermined group of [said plural] the plurality of groups; and

editing [step which, in case linking of two of the programs making up a predetermined group of said plural groups is commanded by said operating step, edits the] a correlation of [said] the range information [of program numbers making up each of a plurality of groups in said second management data] and [said] the group names when the linking is commanded.

--24. (Amended) The editing method according to claim 23, wherein the program names in [said] the first management data are managed [in association with] corresponding to the program numbers of the [respective] plurality of programs, and

[wherein, if linking of two of the programs making up a predetermined group of said plural groups is commanded by said operating step,] the correlation between the program numbers and the program names is concomitantly edited when the linking is commanded.

--25. (Amended) An editing method for editing a program recorded on a recording medium [including] that includes a program area for recording a plurality of programs [for recording a plurality of programs,] and a management area[, having] within which is recorded [therein the] first management data for managing [the] program names for [respective] the plurality of recorded programs [recorded in said program area,] and [the] second management data[, made up of the] including range information of program numbers making up each of a plurality of groups into which the [plural] plurality of recorded programs [recorded in said program area] are collected, special codes partitioning [said] the groups [from one another,] and group names, comprising the steps of:

[operating step for] commanding division of a predetermined group of [said plural] the plurality of groups into two groups; and

editing [step which, in case division of said predetermined group is commanded by said operating step, edits the] a correlation of [said] the range information [of program numbers making up each of a plurality of groups in said second management data] and [said] the group names when the division is commanded.

--26. (Amended) The editing method according to claim 25, wherein

[if] when the division [of said predetermined group] is commanded [by said operating step], [the] a group name [accorded to said] of the predetermined group is [accorded] assigned to one of the two groups resulting from the division.

--27. (Amended) The editing method according to claim 25, wherein

[if] when the division [of said predetermined group] is commanded [by said operating step], [the] a group name of [the] an other of the two groups resulting from the division is blank.

--28. (Amended) An editing method for editing a program recorded on a recording medium [including] that includes a program area for recording a plurality of programs [for recording a plurality of programs,] and a management area[, having] within which is recorded [therein the] first management data for managing [the] program names for [respective] the plurality of programs [recorded in said program area,] and [the] second management data[, made up of the] including range information of program numbers making up each of a plurality of groups into which the [plural] plurality of recorded programs [recorded in said program area] are collected, special codes partitioning [said] the groups [from one another,] and group names, comprising the steps of:

[operating step for] commanding linking of predetermined [ones] groups of [said plural] the plurality of groups; and editing [step which, in case linking of predetermined ones of said plural groups is commanded by said operating step, edits the] a correlation of [said] the range information [of program numbers making up each of a plurality of groups in said second management data] and [said] the group names to cause block movement of [said] the predetermined groups when the linking is commanded.

--29. (Amended) The editing method according to claim 28, wherein

[if] when the linking [of said predetermined groups] is commanded [by said operating step], [the] a group name [accorded to] of a [forward one] first group of [said] the predetermined groups is [accorded] assigned to the group resulting from the linking.

--30. (Amended) The editing method according to claim 28, wherein

[if] when the linking [of said predetermined group] is commanded [by said operating step], [the] a group name [accorded to] of a [backward one] last group of [said] the predetermined groups is [accorded] assigned to the group resulting from the linking.

--31. (Amended) The editing method according to claim 28, wherein

[if] when the linking [of said predetermined groups] is commanded [by said operating step], [the] a group name [accorded to] of a [forward one] first group of [said] the predetermined groups and [the] a group name [accorded to] of a [backward one] last group of [said] the predetermined groups are linked and [accorded] assigned to the group resulting from the linking.

--32. (Amended) An editing method for editing a program recorded on a recording medium [including] that includes a program area for recording a plurality of programs [for recording a plurality of programs,] and a management area[, having] within which is recorded [therein the] first management data for managing [the] program names for [respective] the plurality of recorded programs [recorded in said program area,] and [the] second management data[, made up of the] including range information of program numbers making up each of a plurality of groups into which the [plural] plurality of recorded programs [recorded in said program area] are collected, special codes partitioning [said] the groups [from one another,] and group names, comprising the steps of:

[operating step for] commanding a block erasure of predetermined [ones] groups of [said plural] the plurality of groups; and

editing [step which, in case block erasure of predetermined ones of said plural groups is commanded by said operating step, edits the] a correlation of [said] the range information [of program numbers making up each of a plurality

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of groups in said second management data] and [said group] the
groups when the block erasure is commanded.--